

ABSTRACT OF THE DISCLOSURE**GENE SPECIFIC ARRAYS AND THE USE THEREOF**

The present invention provides arrays comprising a plurality of polynucleotide probes having sequences complementary to the 3' untranslated region of a gene transcript, whose chromosomal location has been defined. The arrays are particularly useful for conducting comparative gene expression analyses. The present invention also includes a method of preparing these arrays and various methods of using these arrays for detecting differential expression of multiple gene transcripts amongst multiple subjects. Further provided by the invention are computer readable media recorded thereon an array of polynucleotide probes as specified herein, a computer-based system, and kits for detecting differential expression of a multiplicity of gene transcripts.